

5

I claim:

1. A replacement chassis stock system for weapon systems, comprising;

a chassis assembly;

a replacement operating rod guide detachably attached to said chassis assembly;

a top rail detachably attached to said chassis assembly;

10

a buttstock/grip mount assembly detachably attached to said chassis assembly;

a buttstock assembly slidably engaged with said buttstock/grip mount assembly; and

a pistol grip detachably attached to said buttstock/grip mount assembly;

whereby attachment of a barreled action and a trigger assembly from an existing weapon system to said replacement chassis stock system extends the useful life of said weapon system by

15

improving its utility, ergonomics, and firing accuracy.

2. The replacement chassis stock system according to claim 1 wherein said chassis

assembly further comprises;

a chassis; and

20

a plurality of mounting rails fixedly attached to said chassis.

3. The replacement chassis stock system according to claim 2 wherein said plurality of

mounting rails further comprise a plurality of Mil Std 1913 pattern mounting rails.

25

4. The replacement chassis stock system according to claim 2 wherein said chassis is fabricated of aluminum.

5

5. The replacement chassis stock system according to claim 1 wherein said top rail further comprises;

a rail base; and

a mounting rail fixedly attached to said rail base.

10

6. The replacement chassis stock system according to claim 5 wherein said mounting rail further comprises a Mil Std 1913 pattern mounting rail.

7. The replacement chassis stock system according to claim 5 wherein said rail base is

15 fabricated of aluminum.

8. The replacement chassis stock system according to claim 1 wherein said buttstock/grip mount assembly further comprises;

a mounting base; and

20 a mounting rail fixedly attached to said mounting base.

9. The replacement chassis stock system according to claim 8 wherein said mounting rail further comprises a Mil Std 1913 pattern mounting rail.

25 10. The replacement chassis stock system according to claim 8 wherein said mounting base is fabricated of aluminum.

5

11. The replacement chassis stock system according to claim 1 wherein said buttstock assembly further comprises;

an adjustable buttstock;

a release mechanism detachably attached to said buttstock/grip mount assembly and

10 releasably engaged with said adjustable buttstock for adjusting its length;

an adjustable cheek rest assembly slidably engaged with said adjustable buttstock; and

a buttpad assembly detachably attached to said adjustable buttstock.

12. The replacement chassis stock system according to claim 11 wherein said buttpad

15 assembly further comprises;

a mounting block;

a mounting bracket detachably attached at a first end to said mounting block; and

a buttpad fixedly attached to a second end of said mounting bracket.

20 13. The replacement chassis stock system according to claim 12 wherein said mounting block and said mounting bracket are fabricated of aluminum.

14. The replacement chassis stock system according to claim 12 wherein said adjustable buttstock further comprises two shafts with first ends that slidably engage said buttstock/grip

25 mount assembly and second ends that are fixedly attached to said mounting block.

5 15. The replacement chassis stock system according to claim 14 wherein said shafts are fabricated of a steel alloy.

16. The replacement chassis stock system according to claim 12 wherein said adjustable cheek rest assembly further comprises;

10 an L-shaped bracket slidably engaged at a first end with said mounting block; and a cheek plate fixedly attached to a second end of said L-shaped bracket.

17. The replacement chassis stock system according to claim 16 wherein said L-shaped bracket is fabricated of aluminum.

15

18. The replacement chassis stock system according to claim 1 wherein said replacement operating rod guide is fabricated of a steel alloy.

19. A method for extending the useful life of an existing weapon system by improving its utility, ergonomics, and firing accuracy, comprising the steps of;

20 disassembling an existing weapon system to obtain a first barreled action, a trigger assembly, and a standard stock;

 disassembling said first barreled action to obtain a handguard, a front sight/flash suppressor assembly, a gas cylinder, a standard operating rod guide, and a barreled action subassembly;

25

 discarding said standard stock, said handguard, and said standard operating guide;

5 attaching a replacement operating rod guide to said barreled action subassembly;
 reassembling said barreled action subassembly with said replacement operating rod
guide, said front sight/flash suppressor assembly, and said gas cylinder to obtain a second
barreled action;
 attaching said second barreled action with said replacement operating rod guide and said
10 trigger assembly to a chassis assembly comprising a plurality of Mil Std 1913 pattern mounting
rails;
 attaching a top rail to said chassis assembly, said top rail comprising a Mil Std 1913
pattern mounting rail;
 attaching a buttstock/grip mount assembly to said chassis assembly, said buttstock/grip
15 mount assembly comprising a Mil Std 1913 pattern mounting rail;
 attaching a buttstock assembly to said buttstock/grip mount assembly, said buttstock
assembly comprising an adjustable buttstock and an adjustable cheek rest; and
 attaching a pistol grip to said buttstock/grip mount assembly;
 whereby said plurality of Mil Std 1913 pattern mounting rails improves the utility of said
20 existing weapon system, said adjustable buttstock and said adjustable cheek rest improve the
ergonomics of said existing weapon system, and said replacement operating rod guide improves
the firing accuracy of said existing weapon system.